SUBMITTAL - 18,000BTU OUTDOOR UNIT - M20

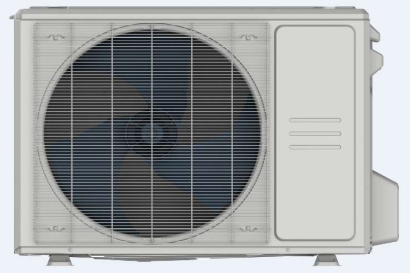
Job Name:
Location:
Engineer:
Submitted By:
Submitted To:

Submitted For: Approval ☐ Reference ☐ Construction ☐
Date:
Unit Tag:
Drawing No.:

WARRANTY
Standard 10 Years Parts & Compressor Terms & Conditions Apply.

TYPE	
Air Source Heat Pump	☐
Cold Climate Air Source Heat Pump	☑

MODELS	
Indoor[1]	Undetermined
Outdoor	DMA18HOS20230E7



Images for reference only.

CAPACITY RANGE[1, 2]			
Output (Btu/h)	Min.	Rated	Max.
Cooling	5500	18000	22000
Heating	5900	19000	23600

HEATING PERFORMANCE[1, 3]			
Output (Btu/h)	Min.	Rated	Max.
47°F (8.3°C)	5900	19000	23600
17°F (-8.3°C)	4300	14700	17400
5°F (-15°C)	3800	15000	15000
-22°F (-30°C)	3000		12500

OUTDOOR TEMPERATURE OPERATING RANGE		
Cooling	-15～50 °C	5～122 °F
Heating[4]	-30～24 °C	-22～75 °F

LINE SET & REFRIGERANT			
Liquid (in.)	3/8''	Gas (in.)	3/4''
Connection Type			Flared
Pre-Charge Length (ft)			25
Max. Length (ft)			98.42
Max. Height Difference (ft)			65.62
Refrigerant Type			R410A
Pre-Charge (oz)			81.1302
Additional Charge per Foot (oz)			0.69
Oil Type	VG74	Oil Volume (ml)	670

CERTIFIED	
AHRI NO.	
Not Applicable	c UL us LISTED

EFFICIENCY RATINGS[1]				
SEER2				16.1
EER2				11.7
HSPF2 (4)				9.5
HSPF2 (5)				7.8
COP[3]	47°F (8.3°C)	17°F (-8.3°C)	5°F (-15°C)	-22°F (-30°C)
	3.35	2.6	2.2	1.8

ELECTRICAL[1]				
Power Supply		(V/Ph/Hz)		208-230/1/60
Voltage Range		(V)		187-253
MCA (A)	16	Max Fuse (ODU) (A)		20
Power Input (W)		Min.	Rated	Max.
Cooling		450	1538	2100
Heating		470	1610	2200
Current (A)		Min.	Rated	Max.
Cooling		2.2	7	8.22
Heating		2.4	8.5	9.6

1. All data related to capacity, performance, efficiency, and electrical power input and current draw is based on the listed outdoor unit in combination with a Moovair product. This data is not to be taken as a representation or guarantee of capacity, performance, efficiency, or electrical power input and current draw when the listed outdoor unit is combined with a 3rd party product. **2**. Cooling Capacity Conditions: Indoor Temperature @ 80°F (26.7°C) DB; 67°F (19.4°C) WB with Outdoor Temperature @ 95°F (35°C) DB; 75°F (23.9°C) WB. Heating Capacity Conditions: Indoor Temperature @ 70°F (21.1°C) DB; 60°F (15.6°C) WB with Outdoor Temperature @ 47°F (8.3°C) DB; 43°F (6.1°C) WB. Line Set @ 25ft (7.5m); Height Difference @ 0ft (0m). **3**. COP for all temperatures is @ rated output except when rated output is not given. In that case, COP is @ max. output. **4**. System continues to operate below rated outdoor temperature operating range, subject to varying conditions. System has no low temperature cutout. Capacity is not tested outside of the rated temperature range. |

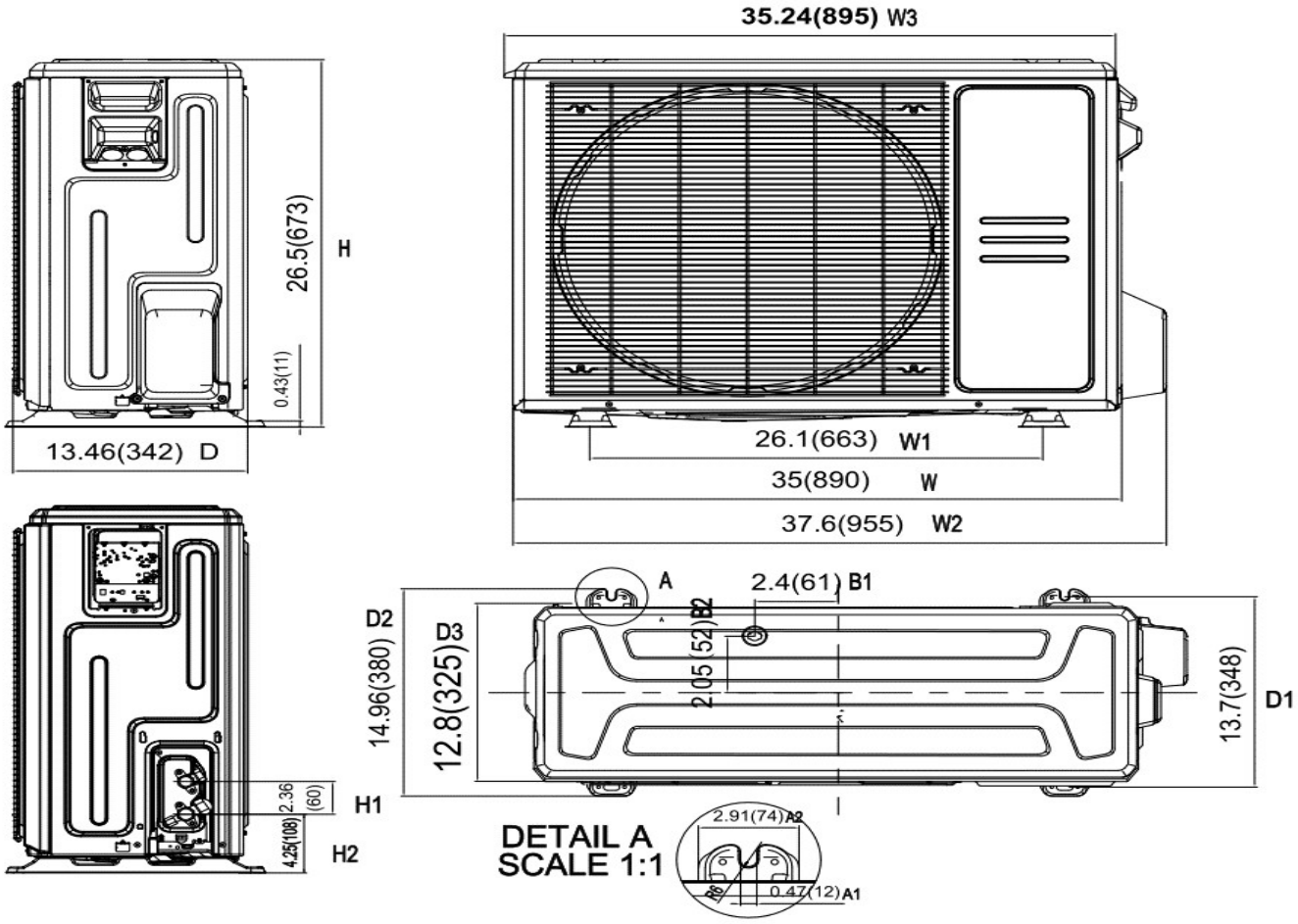
DIMENSIONS & WEIGHTS			
Outdoor	Net (WxDxH; in.)	35.04x13.46x26.50	
	Gross (WxDxH; in.)	39.17x15.67x29.13	
	Net Weight lbs | kg	102.95	46.7
	Gross Weight lbs | kg	109.79	49.8

KEY FEATURES	
Rotary Inverter Compressor	☐
Twin Rotary Inverter Compressor	☑
Base Pan Heater	☑
Crankcase Heater	☑

FAN	
Outdoor Max. CFM	1279
Outdoor Max. dB(A)	57
OPTIONAL ACCESSORIES[5]	
	☐
	☐

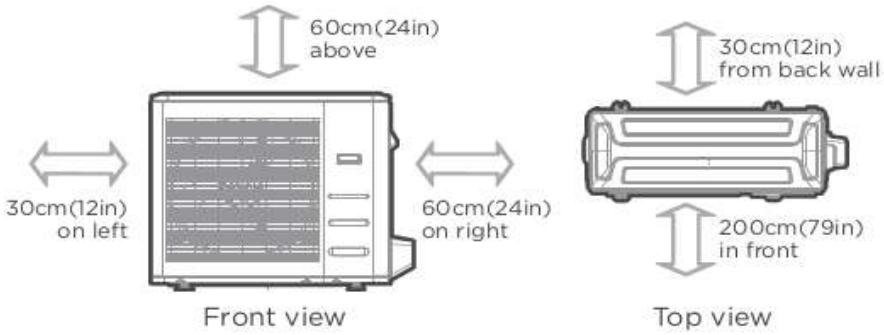
INCLUDED ACCESSORIES
Adaptor for welding(3/8")
Flare 5/8' to welding 3/4'

OUTDOOR UNIT DRAWING



Drawing dimensions are nominal. Specifications subject to change without notice. **5**. Connection of these accessories may require secondary items not listed; refer to full product literature.

OUTDOOR UNIT CLEARANCES



Note: Outdoor units must be elevated 12-24in. (30.5-61cm) above the surface below in heating applications to allow for snow clearance and defrost runoff. Follow local best-practices and guidelines.

Diagrams for reference only.

NOTES